

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

B. Listing of the Claims

1. (Original) A electroluminescent element driving apparatus including a power supply, a controlling IC, an electroluminescent element driving unit, an electroluminescent cell comprised of an electroluminescent element is characterized by that the power supply is connected with a charging unit which supplies power to the power supply, the power supply continually stores electric power while it supplies the power to the controlling IC and the electroluminescent element driving unit, respectively, the controlling IC supplies a flash to at least one electroluminescent element driving unit, the electroluminescent element driving unit transmits a signal having the flash to the electroluminescent cell, and the electroluminescent cell displays the signal having the flash.

2. (Original) A electroluminescent element driving apparatus according to Claim 1, characterized by that the said charging unit is connected with a power supplying unit.

3. (Original) A electroluminescent element driving apparatus according to Claim 1, characterized by that the said charging unit has exterior interface DC+ and DC- pins, the DC+ pin is connected to the resistor R1 which is connected to the positive electrode of the diode D1, while the negative electrode of the diode D1 is connected to the positive electrode of the power supply BAT1; the DC- pin is connected to the negative electrode of the power supply.

4. (Original) A electroluminescent element driving apparatus according to Claim 3, characterized by that between the said resistor R1 and the pin DC- are connected with a luminescent diode LED and resistor R2, between the negative electrode of the LED and

negative electrode of the power supply BAT1 is connected with a current limiting resistor R2, pin DC- is connected to the negative electrode of power supply BAT1.

5. (Original) A charging unit according to Claim 1, characterized by that the said charging unit has exterior interface DC+ and DC- pins, it is composed of the resistances R1,R2,R3,R4, a PNP triode Q1, a NPN triode Q2, a luminescent diode LED, a capacitor C1 and a Zener diode ZD; the current limiting resistor R2, luminescent diode LED, PNP triode Q1 and the Zener diode constitute a constant current circuit, DC+ is connected to the emitter of the triode Q1 through resistor R2, DC+ is connected to the positive electrode of the LED; the negative electrode of the LED is connected to the base of the triode Q1, the collector of the triode Q1 is connected to the negative electrode of ZD; the negative electrode of the LED is connected to a capacitor which is connected to the negative electrode of power supply BAT1, constituting the charging starting circuit; a current limiting resistor R3 is connected between the base of triode Q1 and the collector of triode Q2, which constitutes current passage through Q1; DC+ is connected to the collector of Q2 through the current limiting resistor R1, the emitter of Q2 is connected to the positive electrode of the power supply BAT1, which constitutes a charging loop; a current limiting resistor R4 is connected to the base of triode Q2 and the negative electrode of Zener diode ZD, the positive electrode of Zener diode ZD is connected to the negative electrode of power supply BAT1, which constitutes the voltage comparison circuit.

6. (Currently Amended) A electroluminescent element driving apparatus according to Claim 3 ~~or~~ 4, characterized by that the positive electrode of power supply BAT1 is connected respectively to the positive pin VDD of the controlling IC and the positive pin VDD of the electroluminescent element driving unit, while the negative electrode of BAT1 is connected respectively to the ground pin GND of the controlling IC and the negative pin VSS of the electroluminescent element driving unit; the output end OUT of the controlling IC is connected to the light control end HON of the electroluminescent element driving unit, between the triggering pin TG end of the controlling IC and the ground is connected with a trigger switch which can be an elastic one, between the inductance incoming end COIL of the

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electroluminescent element driving unit and the positive electrode of BAT1 is connected with an inductor L1; a capacitor is connected between the incoming capacitor pins CAP1 and CAP2 of the of the electroluminescent element driving unit; the output pins EL1 and EL2 of the electroluminescent element driving unit are connected to the two electrodes of the electroluminescent element respectively.

7. (Currently Amended) A electroluminescent element driving apparatus according to Claim 2 ~~or 3~~, characterized by that a solar energy power supply unit can be paralleled between the DC+ and DC- pins of the said charging unit, the positive electrode of the solar power supply BAT2 is connected to DC+, its negative electrode is connected to DC-; the charging unit charges BAT1 with solar energy.

8. (Original) A electroluminescent element driving apparatus according to Claim 7, characterized by that the solar energy power supply unit can be composed by a series of solar cells.

9. (Currently Amended) A electroluminescent element driving apparatus according to Claim 1,2,3,4 ~~or 5~~ characterized by that the luminescent unit can be connected to the electroluminescent unit with a connector.